

Table 1.—Preliminary estimates of passage by brood-year (BY) and run for unmarked juvenile Chinook salmon and steelhead trout captured by rotary-screw traps at Red Bluff Diversion Dam (RK391), Sacramento River, CA, for the dates listed below. Results include estimated passage, peak river discharge volume, water temperature, turbidity, and fork length (mm) range in parentheses. A dash (-) indicates that sampling was not conducted on that date.

Date	Discharge volume (cfs) ¹	Water temperature (°C)	Water turbidity (NTU)	Estimated passage				
				BY09 Fall	BY10 Late-fall	BY10 Winter	BY09 Spring	BY10 Steelhead
8/27/10	9,630	14.7	1.8	120 (90 – 105)	121 (60 – 80)	3,146 (34 – 42)	0 (-)	361 (54 – 75)
8/28/10	9,570	14.0	1.6	40 (95)	80 (83 – 88)	1,650 (30 – 43)	0 (-)	159 (42 – 58)
8/29/10	9,150	13.5	2.3	86 (91 – 97)	86 (65 – 71)	945 (34 – 39)	0 (-)	129 (55 – 61)
8/30/10	9,330	13.8	1.1	45 (91)	182 (52 – 65)	1,454 (34 – 42)	0 (-)	454 (50 – 74)
8/31/10	9,270	13.9	1.0	132 (93 – 98)	352 (54 – 82)	6,605 (33 – 50)	0 (-)	1,101 (40 – 72)
9/1/10	9,230	14.6	1.4	266 (93 – 113)	266 (51 – 76)	11,698 (32 – 50)	0 (-)	931 (32 – 77)
9/2/10	9,590	14.9	2.0	126 (92 – 97)	409 (52 – 85)	8,563 (31 – 50)	0 (-)	760 (48 – 123)
9/3/10	9,290	14.8	2.0	132 (97 – 100)	173 (64 – 77)	14,496 (32 – 50)	0 (-)	1,141 (44 – 83)
9/4/10	9,230	14.7	1.4	163 (97 – 103)	570 (53 – 91)	11,205 (30 – 51)	0 (-)	525 (50 – 70)
9/5/10	9,290	14.4	1.7	237 (94 – 105)	404 (53 – 93)	9,166 (33 – 50)	0 (-)	561 (27 – 79)
9/6/10	8,890	14.4	1.3	163 (99 – 112)	371 (52 – 93)	15,426 (33 – 51)	0 (-)	460 (38 – 71)
9/7/10	8,600	14.2	1.8	140 (97 – 107)	316 (54 – 93)	11,601 (33 – 49)	0 (-)	316 (42 – 77)
9/8/10	8,660	13.9	1.1	47 (123)	187 (62 – 72)	9,015 (32 – 50)	0 (-)	422 (47 – 78)
9/9/10	9,150	13.6	1.7	79 (101 – 108)	119 (64 – 91)	12,228 (30 – 44)	0 (-)	198 (55 – 75)
Biweekly total²				1,776	3,636	117,198	0	7,518
<i>Biweekly Lower 90% Confidence Interval</i>				925	2,278	90,322	0	5,142
<i>Biweekly Upper 90% Confidence Interval</i>				2,627	4,994	144,074	0	9,894
Brood-year total				8,954,181	126,411	228,512	493,115	84,350
<i>Brood-year Lower 90% Confidence Interval</i>				3,134,598	32,565	140,121	153,290	39,105
<i>Brood-year Upper 90% Confidence Interval</i>				14,386,266	220,256	316,902	820,387	129,595

¹ Peak daily discharge values do not account for diversions at RBDD and only represent peak flows registered at the Bend Bridge Gauging station (<http://cdec2.water.ca.gov/cgi-progs/queryFx?bnd>).

² Biweekly totals may be greater than the sum of the daily estimates presented in this table if sampling was not conducted on each day of the biweekly period. A dash (-) denotes those dates. To estimate daily passage for days that were not sampled, we impute missed sample days with the weekly mean value of days sampled within the week.